

MATERIAL SAFETY DATA SHEET

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SECTION I:

CHEMICAL NAMES AND SYNONYMS: Povidone Iodine Solution USP, PVP-I
TRADE NAME: Betadine® Solution (10% Povidone Iodine = 1% Available Iodine)
CHEMICAL FAMILY: Polymer, complex of Polyvinylpyrrolidone with iodine
FORMULA: $(C_6H_9NO)_n \times I$
CAS REGISTRY NO.: 25655-41-8

SECTION II: INGREDIENTS

NAME	%	TLV	TOXICOLOGICAL DATA
Povidone Iodine USP	10.00		Mouse, Oral LD50>8100mg/kg Rat, IV LD50>640mg/kg
Glycerin	1.00		
Igepal	0.25		
Purified Water	88.75		

No Component is Listed by NTP or IARC Potential.

*NOT ESTABLISHED AS HAVING CARCINOGENIC

SECTION III: PHYSICAL DATA

SPECIFIC GRAVITY: (25°C) 1.02
pH: <6.0
APPEARANCE & ODOR: Reddish brown, clear liquid, faint odor.

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASHING POINT (method used): Not flammable. **FLAMMABLE LIMITS:** None
LEL: n/a **UEL:** n/a
EXTINGUISHING MEDIA: n/a
SPECIAL FIRE FIGHTING PROCEDURES: n/a
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION V: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: None established by OSHA or ACGIH.

EFFECT OF OVEREXPOSURE: This product is generally recognized as safe when used as a topical antimicrobial agent. Prolonged exposure to wet solution may cause local irritation to the skin. Elevated concentrations of iodide in the serum may occur if excessive amounts of iodine are absorbed through broken skin, burns or deep wounds. Iodine may also be absorbed through the lungs and from the gastrointestinal tract. High concentrations of iodide in the serum may produce alterations in thyroid function, renal disturbances, acidosis and electrolyte disturbances.

NA = NOT APPLICABLE
NE = NOT ESTABLISHED
NL = NOT LISTED

EMERGENCY AND FIRST AID PROCEDURES

FOR EYES: Immediately wash with running water for 5 minutes. Get medical attention if irritation persists.

FOR SKIN: Avoid prolonged contact with excess wet solution. If irritation develops, get medical attention.

FOR INGESTION: If swallowed, DO NOT INDUCE VOMITING. Drink several glasses of water or milk. Obtain immediate medical attention.

FOR INHALATION: If fumes cause respiratory discomfort, move to fresh air. Get medical attention if respiratory discomfort persists.

SECTION VI: REACTIVITY DATA

STABILITY: Stable.

STORAGE: Store at room temperature

INCOMPATIBILITY: Not stable toward reducing agents or strong alkalies.

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None.

CORROSIVE TO METAL: Yes

TYPE: Iron; can discolor gold or silver.

OXIDIZER: Yes

SECTION VII: ENVIRONMENTAL DATA**STEPS TO BE TAKEN IN CASE MATERIAL**

IS RELEASED OR SPILLED: Spills should be cleaned up as soon as possible; wash affected area with dilute ammonia or dilute sodium thiosulfate solution and copious quantities of water.

WASTE DISPOSAL METHOD: Do not discharge more than minute quantities into waterways or sewer systems. Neutralize with sodium thiosulfate prior to disposal.

HAZARDOUS SUBSTANCE UNDER
"SUPERFUND":

No

HAZARDOUS WASTE, 40 CFR 261: No
HAZARDOUS WASTE NUMBER: n/a

CONTAINER DISPOSAL:

In a similar manner as other plastic bottles.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify Type): n/a

PROTECTIVE GLOVES: n/a

VENTILATION: **LOCAL EXHAUST:** n/a

SPECIAL: n/a

MECHANICAL (General): n/a

OTHER: n/a

EYE PROTECTION: n/a

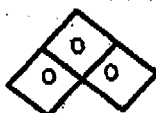
OTHER PROTECTION EQUIPMENT: n/a

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: n/a

OTHER PRECAUTIONS: n/a

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATING:
DEGREES OF HAZARD:



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